

## 32-1348: IGFBP1 Recombinant Protein

**Alternative Name :** IBP-1,IGF-Binding Protein 1,AFBP,PP12,IGF-BP25,hIGFBP-1,IGFBP-1.

### Description

Source : Mouse myeloma cell line, NS0. IGFBP-1 Human Recombinant (26-259 a.a.) produced in NS0 is a single, glycosylated, polypeptide chain containing 234 amino acids and having a molecular mass of 25kDa. The IGFBP1 is purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	IGFBP-1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS.
<b>Storage condition :</b>	Lyophilized IGFBP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF-BP1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	APWQCAPCSA EKLALCPPVS ASCSEVTRSA GCGCCPMCAL PLGAACGVAT ARCARGLSCR ALPGEQQPLH ALTRGQGACV QESDASAPHA AEAGSPESPE STEITEEELL DNFHLMAPSE EDHSILWDAI STYDGSKALH VTNIKKWKEP CRIELYRVVE SLAKAQETSG EEISKFYLPN CNKNGFYHSR QCETSMDGEA GLCWCVYPWN GKRIPGSPEI RGDPCNCQIYF NVQN.

### Application Note

It is recommended to reconstitute the lyophilized IBP-1 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub>, as determined by the inhibition of rHuIGF-I-induced proliferation of human MCF-7 cells, is less than 4µg/ml.

